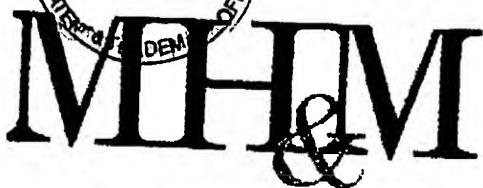


FROM McANDREWS, HELD, & MALLOY

(WED) 5. 24' 06 14:54/ST. 14:54/NO. 4861050115 P 1



MCANDREWS, HELD & MALLOY  
34TH FLOOR  
500 WEST MADISON STREET  
CHICAGO, ILLINOIS 60661

TELEPHONE: (312) 775-8000  
FACSIMILE: (312) 775-8100

## FAX COVER LETTER

CONFIDENTIAL

THE ENCLOSED MATERIAL IS INTENDED FOR THE RECIPIENT NAMED BELOW AND, UNLESS OTHERWISE EXPRESSLY INDICATED, IS CONFIDENTIAL AND PRIVILEGED INFORMATION. ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THE ENCLOSED MATERIALS IS PROHIBITED. IF YOU RECEIVE THIS TRANSMISSION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AT OUR EXPENSE, AND DESTROY THE ENCLOSED MATERIALS. YOUR COOPERATION IS APPRECIATED.

TO:	Mail Stop Issue Fee	
FROM:	Michael T. Cruz	USER ID:8084
DATE:	May 24, 2006	
FAX NO.:	(571) 273-2885	
CLIENT:	1772	
MATTER:	16133US02	

Number of Pages This Transmission (Including Cover Page): 15

Message:

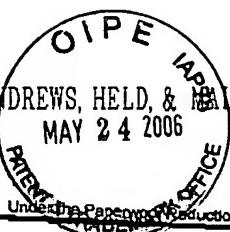
I hereby certify that the attached correspondence is being sent via facsimile transmittal to the United States Patent and Trademark Office on May 24, 2006.

  
\_\_\_\_\_  
Michael T. Cruz  
Reg. No. 44,636

*If you have problems receiving this facsimile transmission, please contact the sender at the above telephone number.*

FROM McANDREWS, HELD, & MALLOY  
MAY 24 2006

(WED) 5.24'06 14:55/ST. 14:54/NO. 4861050115 P 2



Approved for use through 7/31/2006  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/21 (09-04)

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 14

Application Number	10/649,335
Filing Date	August 26, 2003
First Named Inventor	Michiel Lotter
Art Unit	2637
Examiner Name	Y. T. Tse
Attorney Docket Number	16133US02

## ENCLOSURES (check all that apply)

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/ Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Return-Receipt Postcard<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>- Amendment Under 37 C.F.R. § 1.312<br>- Comments on Statement of Reasons for Allowance |
|---|---|--|

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	McAndrews Held & Malloy, Ltd.
Signature	<i>Michael T. Cruz</i>
Printed Name	Michael T. Cruz
Date	May 24, 2006

## CERTIFICATE OF FAX TRANSMITTAL

I hereby certify that this correspondence is being sent via facsimile to Mail Stop Issue Fce at the United States Patent and Trademark Office, fax no. (571) 273-2885

Name (Print/type)	Michael T. Cruz	Registration No. (Attorney/Agent)	44,636
Signature	<i>Michael T. Cruz</i>	Date	May 24, 2006

FROM McANDREWS, HELD, & MALLOY

(WED) 5. 24' 06 14:55/ST. 14:54/NO. 4861050115 P 4



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

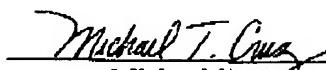
M. Lotter et al.  
Serial No.: 10/649,335  
Filed: August 26, 2003  
For: ADAPTIVE PILOT  
INTERFERENCE CANCELLATION  
IN CDMA SYSTEMS  
Examiner: Y.T. Tse  
Group Art Unit: 2637

Conf. No.: 4554

Cust. No.: 23446

Certificate of Facsimile Transmission

I hereby certify that this correspondence is being sent via facsimile transmission to the United States Patent and Trademark Office, fax No. (571) 273-2885, on May 24, 2006.

  
Michael T. Cruz  
Reg. No. 44,636

**COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE**

Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper responds to the reasons for allowance or allowability stated by the Examiner ("the Examiner's Statement") as set forth in the record of above-identified application and accompanies the issue/publication fee transmittal (part B).

Comments on Statement of Reasons for Allowance dated May 24, 2006  
In Reply to Examiner's Reasons for Allowance or Allowability

## REMARKS

Applicants respectfully submit that the documents made of record, taken alone or in combination, fail to fairly describe, teach or suggest "generating a plurality of intra-finger interference cancellation signals using said plurality of pilot signals, each of said plurality of intra-finger interference cancellation signals being associated with one of said plurality of fingers; weighting ones of said plurality of intra-finger interference cancellation signals so as to generate a set of weighted intra-finger interference cancellation signals; synthesizing at least one inter-finger interference cancellation signal in accordance with said set of weighted intra-finger interference cancellation signals; receiving, by said plurality of fingers, said at least one inter-finger interference cancellation signal, wherein different ones of the plurality of fingers can receive different ones of said at least one inter-finger interference cancellation signal; and subtracting said at least one inter-finger cancellation signal from one of said plurality of data signals" as set forth in claim 1.

Applicants respectfully submit that the documents made of record, taken alone or in combination, fail to fairly describe, teach or suggest "generating N intra-finger interference cancellation signals using said N associated pilot signals, each of said N intra-finger interference cancellation signals being associated with one of said N fingers; weighting ones of said N intra-finger interference cancellation signals so as to generate N weighted intra-finger interference cancellation signals; synthesizing N inter-finger interference cancellation signals, each of said N inter-finger interference cancellation signals being synthesized on the basis of one or more of said N weighted intra-finger interference cancellation signals; and subtracting each of said N inter-finger interference cancellation signals from a corresponding one of said N data signals, thereby generating N interference-reduced data signals" as set forth in claim 9.

Applicants respectfully submit that the documents made of record, taken alone or in combination, fail to fairly describe, teach or suggest "a rake receiver having N fingers for processing N data signals and N associated pilot signals, wherein N is an integer, each of said N fingers including an intra-finger interference cancellation module configured to generate an intra-finger interference cancellation signal using at least one of said N associated pilot signals; and an inter-finger interference cancellation module for synthesizing N inter-finger interference cancellation signals, each of said N inter-finger interference cancellation signals being synthesized on the basis of a set of said intra-finger interference cancellation signals, said inter-

FROM McANDREWS, HELD, & MALLOY  
Appln. No. 10/649,335

(WED) 5.24'06 14:56/ST. 14:54/NO. 4861050115 P 6

Comments on Statement of Reasons for Allowance dated May 24, 2006  
In Reply to Examiner's Reasons for Allowance or Allowability

finger interference cancellation module including: a gain adjustment unit for weighting said intra-finger interference cancellation signals so as to generate a plurality of weighted intra-finger interference cancellation signals, and a summation unit adapted to combine ones of said plurality of weighted intra-finger interference cancellation signals" as set forth in claim 14.

Applicants respectfully submit that any Examiner's Statement might imply that the dependent claims are only allowable because they depend from allowed independent claims. However, the Examiner's Statement does not discuss any of the other elements of the claimed subject matter, in particular, those additional elements recited in the dependent claims which may render the dependent claims independently allowable in view of the specification, prosecution file history and/or the documents made of record, either alone or in combination.

Applicants respectfully submit that the Examiner's Statement presents only some of the reasons for allowance of the claims, and that other reasons also exist for allowing the claims such as, for example, those set forth more completely in the record as a whole. This interpretation is consistent with M.P.E.P. § 1302.14, which states that any statement of reasons for allowance "[i]s not intended to necessarily state all the reasons for allowance or all the details why claims are allowed and should not be written to specifically or impliedly state all the reasons for allowance are set forth." M.P.E.P. § 1302.14.

Finally, Applicants agree with the Examiner that claims 1-20 are allowable in view of all of the documents made of record, either alone or in combination. However, Applicants do not necessarily agree or disagree with the Examiner's characterization of the documents made of record, either alone or in combination, or the Examiner's characterization of recited claim elements. In closing, Applicants respectfully reserve the right to argue the characterization of the documents of record, either alone or in combination, or the characterization of the recited claim elements should that need arise in the future.

If the Examiner has questions, or if Applicants can be of assistance, the Examiner is invited and encouraged to contact Applicants' representative at the below-listed telephone number.

FROM McANDREWS, HELD, & MALLOY  
Appln. No. 10/649,335

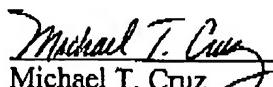
(WED) 5.24'06 14:56/ST. 14:54/NO. 4861050115 P 7

Comments on Statement of Reasons for Allowance dated May 24, 2006  
In Reply to Examiner's Reasons for Allowance or Allowability

The Commissioner is hereby authorized to charge additional fees or credit overpayments to the deposit account of McAndrews, Held & Malloy, Account No. 13-0017.

Dated: May 24, 2006

Respectfully submitted,

  
\_\_\_\_\_  
Michael T. Cruz  
Reg. No. 44,636

McAndrews, Held & Malloy, Ltd.  
500 West Madison Street, 34th Floor  
Chicago, Illinois 60661  
Telephone: (312) 775-8084  
Facsimile: (312) 775-8100